

Floods Caused by Tropical Systems: Saddle River at Lodi

Latitude: 40.89
Flood Stage: 6 ft

Period of Record: 1924-Present
Last Flood: 5/1/2014

Longitude: -74.081
Number of Floods: 97

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/17/1999	13.94	5,330	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
8/28/2011	13.50	5,320	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
8/28/1971	10.16	-9,999	Tropical Storm Doria dumped 3 to 7 inches of rain across the region. Localized rainfall amounts of 8 to 10 inches were reported in the Tidewater area, Eastern NJ and Eastern PA.
10/9/2005	8.82	3,080	Tropical Storm Tammy was absorbed into a cold front and produced 2-day rainfall totals of 4 to 7 inches. Flooding was reported in the Raritan, Passaic, Delaware and Lower Main Stem Susquehanna Basins.
9/8/2011	8.50	3,000	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
9/7/2008	7.77	2,630	Tropical Storm Hanna brought heavy rain into the region. Amounts of 4 to 6 inches were reported at most locations, with locally higher amounts in the 6 to 9 inch range.
9/18/2004	7.33	2,450	The remnants of Hurricane Ivan, combined with a cold front, produced an average rainfall amount of 2-4 inches in NY, 3-7 inches in PA, 1-3.5 inches in NJ and 2 inches in WV.
9/27/1975	7.05	2,350	The remnants of Hurricane Eloise combined with a cold front and produced very heavy rainfall in the Mid-Atlantic. Washington, D.C. reported 9.08" of rainfall. Total damage for Virginia was estimated to be \$17.2 million.

Drainage Area: 54.6 sq mi
Gage Datum: 25 ft MSL

Tropical information before 1940 is limited.
Passaic Basin

County of Gage: Bergen
County of Forecast Point: Bergen

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/29/2004	6.57	2,080	Hurricane Jeanne stalled a cold front and supplied the front with much-needed moisture. As a result, 1-day rainfall totals ranged from 1 - 6 inches throughout the Mid-Atlantic region.
8/19/1955	6.47	2,200	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
9/27/1985	6.44	2,120	Hurricane Gloria made landfall over Long Island as a Category 2 storm. Gloria produced rainfall amounts of 1 to 5 inches in most of the Mid-Atlantic, with locally heavier amounts of almost 7 inches reported.
10/1/2010	6.42	2,010	Tropical moisture ahead of a north-south frontal boundary interacted with the remnants of tropical storm Nicole to produce heavy rainfall throughout the Mid-Atlantic. Rainfall amounts of 4"-5" were common, with locally heavier amounts of up to 10".
9/22/1938	6.21	1,680	The Long Island Express Hurricane produced more than 5 inches of rain in New Jersey, New York and other parts of the Northeast. Major flooding occurred across New York, New Jersey and Pennsylvania.
8/24/1933	5.16	1,240	A strong Category 1 storm, the Chesapeake-Potomac Hurricane brought more than 10 inches of rain to Maryland, Delaware and Southern New Jersey. Other locations throughout the Mid-Atlantic measured more than 4 inches of rain.

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